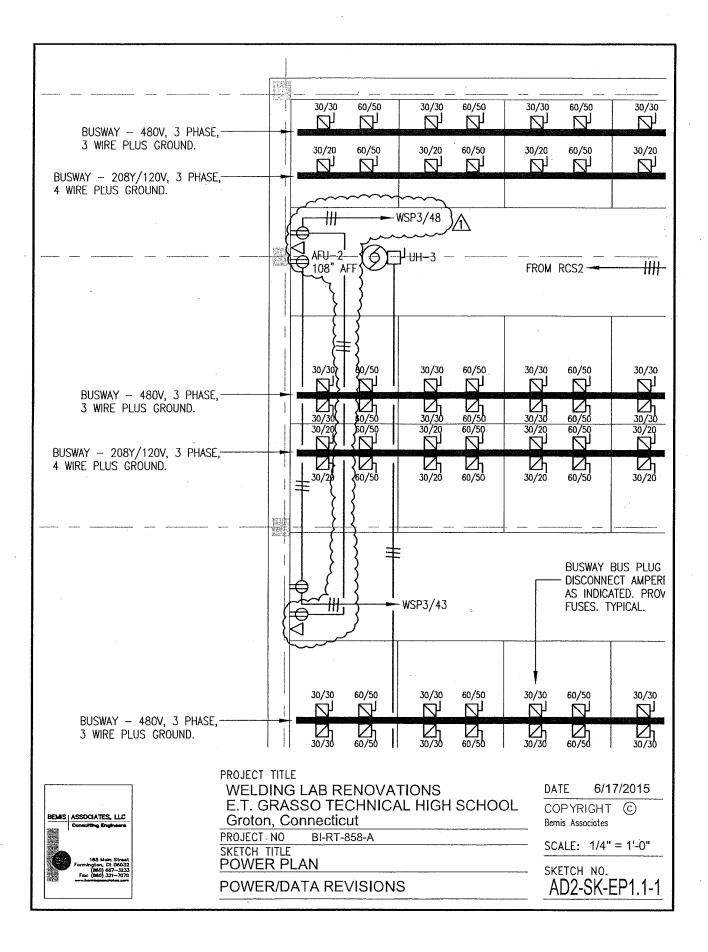
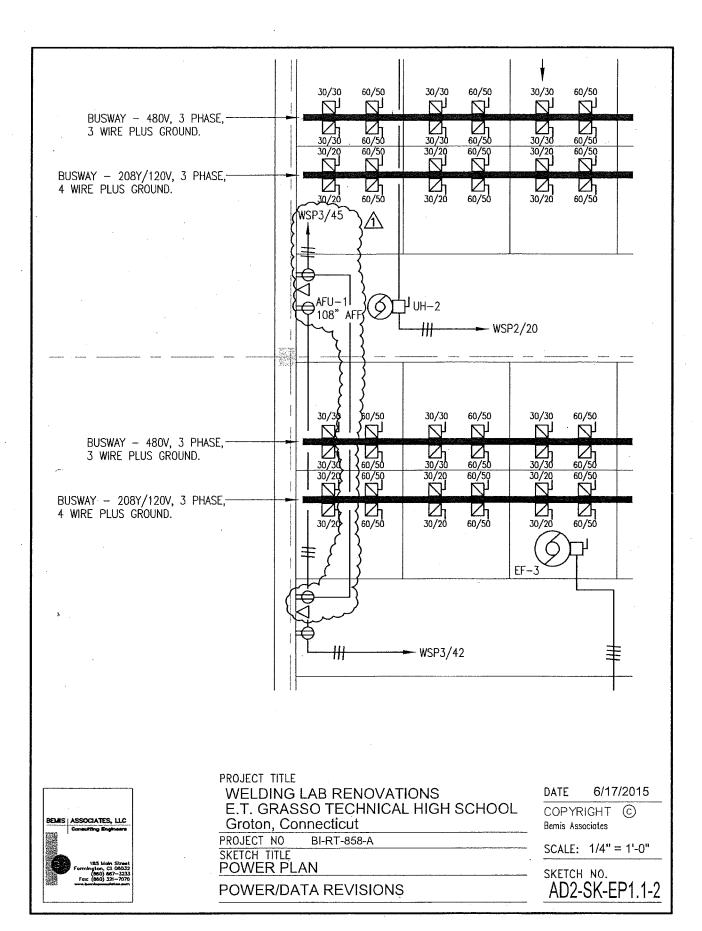
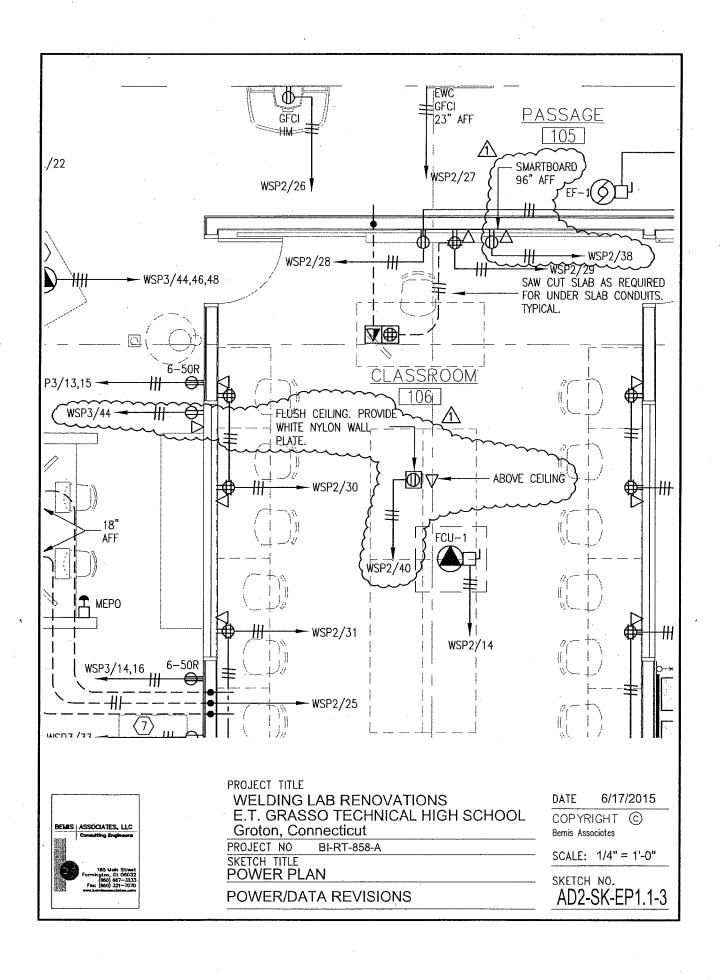


7001 Equal or Substitute Product Request

Page 1 of 1 Post Bid (See Article 15 Materials: Standards, General Conditions) Request Phase Pre-Bid (If Pre-bid only) Current Bid Due Date: Request No.: Dated: CTDCS Project No.: **State of Connecticut** Department of Construction Services Project Name / Location: References: Specification(s): Section(s): Paragraph(s): Drawing(s): Drawing(s) No(s): Detail(s) No(s): Contractually Specified Product: Contractor Proposed Product: Proposed Product is: Equal: Substitute: Model No.: See attached data for both specified and proposed products as required by Article 15 General Conditions. Drawings: Product Data: Reports: Samples: Other: Tests: Reason(s) for not providing the Specified Product: Similar Installation: Project: Architect: Address: Owner: Date Installed: Will proposed substitution impact other parts of the If yes attach explanation. Will proposed substitution increase Contract Time? No by number of Days Actual Dollar Savings to the State of Connecticut if substitution is accepted: The Undersigned Certifies that the proposed Request for an Equal or Substitute Product conforms to all of the requirements of Division 01 General Requirements, Section 01 25 00 Substitution Procedures . Request Submitted By General Contractor / CMR: (Firm's Typed Name) (Typed Name) (Title) (Date) (Signature) CONTRACTOR / CMR Send copies to DCS PM: CA /OR: Consultant's Review - This Substitution Request is: Request Received on (Date): (Submittals in accordance with Div. 01 General Requirements, Section 01 33 00 Submittal ☐ Approved: Procedures.) (Submittals in accordance with Div. 01. General Requirements, Section 01 33 00 Submittal ☐ Approved as Noted: Procedures.) Rejected: Use Specified Materials. Rejected: Request Not Received Within Specified Time Period - Use Specified Materials. Reviewed Issued By: (Typed Name) (Signature) CONSULTANT Send copies to: DCS PM: CA /OR: П Chief Architect Chief Engineer If Approved: As noted by Consultant, DCS Chief Architect: (Signature) (Date) Copies: Project File Red R2







PANEL: WSP2 .					MANUFACTURE & MODEL: CUTLER HAMMER TYPE PRL4B								
MOUNTING: SURFACE				VOLTAGE CLASSIFICATION: 208Y/120V, 3 PHASE, 4 WIRE SCR (FULLY RATED): 22K A.I.C. MIN.									
MAINS RATING: 700 AMP MAIN C/B													
200%	NEUTRAL	: NO			SPD: NO								
BREAKER					PHASE LOAD - KW						BREAKER		
#	TRIP RATING	POLE	LOAD DESCRIPTION	LOAD KW	А	В	С	LOAD KW	LOAD DESCRIPTION	TRIP RATING	POLE	#	
1	400	3	RCS3/PANEL WSP3	38.40	38.40		<u> </u>	0.00	SPARE	50	3	2	
3	-	-	-	38.60		38.60		0.00	-	1	-	4	
5	-	-	-	35,10			35.10	0.00	-	-	-	6	
7	50	3	SPARE	0.00	0.00			0.00	SPARE	20	3	8	
9	-	-	-	0.00		0.00		0.00	-	- 1	-	10	
11	-	-	-	0.00			0.00	0.00		-	-	12	
13	20	1	EXH. FAN EF-1	0.30	0.80			0.50	FCU-1	20	1	14	
15	20	1	O.H. DOOR MOTOR	0.80		1.80		1.00	DAMPER CONTROLS	20	1	16	
17	20	1	FILTER CONTROLS	1.00			2.00	1.00	DDC PANEL	20	1	18	
19	20	1	UH-1	0,30	0.90			0.60	UH-2 & UH-3	20	1	20	
21	20	1	AUTO DOOR OPENER	0.80		1.30		0.50	CFPP-1	20	1	22	
23	20	1	ROOF RECEPTACLE	0.20			0.40	0.20	RTAHU-1 RECEPTACLE	20	1	24	
25	20	1	RECEPTACLES	0.90	1.40			0.50	WASH FOUNTAIN	20	1	26	
27	20	1	ELECT. WATER COOLER	1.00		1.70		0.70	RECEPTACLES	20	1	28	
29	20	1	RECEPTACLES	0.70			1.40	0.70	RECEPTACLES	20	1	30	
31	20	1	RECEPTACLES	0.70	1.40			0.70	RECEPTACLES	20	1	32	
33	20	1	RECEPTACLES	0.40		1.10		0.70	RECEPTACLES	20	1	34	
35	20	1	RECEPTACLES	0.70			0.90	0.20	LIGHTING	20	1_	136	
37	20	1	LIGHTING	0.20	0.40		/1\(0.20	RECEPTACLES	20	1	38	
39	20	1	NAC BOOSTER PANEL	0.60		0.80		0.20	RECEPTACLES	20	1	40	
41	20	1	SPARE	0.00			0.00	~600 600	SPARE	201	~ <u>~</u>	42	
43	20	1	SPARE	0.00	0.00			0.00	SPARE	20	1	44	
45	20	1	SPARE	0.00		0.00		0.00	SPARE	20	1	46	
47	20	1	SPARE	0.00			0.00	0.00	SPARE	20	1	48	
49	20	1	SPARE	0.00	0.00			0.00	SPARE	20	1	50	
51	20	1	SPARE	0.00		0.00		0.00	SPARE	20	1	52	
53	20	1	SPARE	0.00			0.00	0.00	SPARE	20	1	54	
55	20	1	SPARE	0.00	0.00			0.00	SPARÉ	20	1	56	
57	20	1	SPARE	0.00		0.00		0.00	SPARE	20	1	58	
59	20	1	SPARE	0.00			0.00	0.00	SPARE	20	1	60	
TOTAL LOAD PER PHASE:					43.30	45.30	39.80		TOTAL LOAD ON PANEL:	128.40		ΚW	
								TOTAL LOAD ON PANEL:	356.41		AMI		



PROJECT TITLE

WELDING LAB RENOVATIONS E.T. GRASSO TECHNICAL HIGH SCHOOL Groton, Connecticut

PROJECT NO BI-RT-858-A

SKETCH TITLE POWER DETAILS

POWER/DATA REVISIONS

DATE 6/17/2015

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SCALE: NONE

SKETCH NO. AD2-SK-EP2.2-4

PANEL: WSP3					MANUFACTURE & MODEL: CUTLER HAMMER TYPE PRL3a								
MOUNTING: SURFACE				VOLTAGE CLASSIFICATION: 208Y/120V, 3 PHASE, 4 WIRE SCR (FULLY RATED): 22K A.I.C. MIN.									
MAINS RATING: 400 AMP MAIN LUGS													
200% NEUTRAL: NO						SPD: NO							
BREAKER				PHASE LOAD - KW					BREAKER				
#	TRIP RATING	POLE	LOAD DESCRIPTION	LOAD KW	Α	В	С	LOAD KW	LOAD DESCRIPTION	TRIP RATING	POLE	#	
1	250	3	208Y/120V BUSWAY	6.20	12.40			6,20	208Y/120V BUSWAY	250	3	2	
3	-	-	-	6.20		12.40		6.20	_	-	-	4	
5	-	-	-	6.20			12.40	6.20	_	_	-	6	
7	20	3	RECEPTACLE	1.80	2.60			0.80	RECEPTACLE	20	3	8	
9	-	-	-	1.80		2.60		0,80	~	_	-	10	
11	-	-	•	1.80		l	2.60	0.80	-	-		12	
13	50	2	RECEPTACLE	4.20	8.40			4,20	RECEPTACLE	50	2	14	
15	~	-	-	4.20		8.40		4.20	-	-	-	16	
17	50	2	RECEPTACLE	4.20			8.40	4.20	RECEPTACLE	50	2	18	
19	-	-		4.20	8.40			4.20	-	-	_	20	
21	50	2	RECEPTACLE	4.20		8.40		4.20	RECEPTACLE	50	2	22	
23	-	-	-	4.20			8.40	4.20	-	-	_	24	
25	50	2	RECEPTACLE	4.20	5.20			1.00	RECEPTACLE	50	2	26	
27	-	-	-	4.20		5.20		1.00	-	- 1	-	28	
29	20	1	RECEPTACLE	0.20			0.40	0.20	CORD REEL	20	1	30	
31	20	1	CORD REEL	0.20	0.40			0.20	CORD REEL	20	1	32	
33	20	1	RECEPTACLE	0.20		0.40		0.20	RECEPTACLE	20	1	34	
35	20	1	RECEPTACLE	1.80			2.30	0.50	RECEPTACLE	20	1	36	
37	20	1	RECEPTACLE	0.20	0.40			0.20	RECEPTACLE	20	1	38	
39	20	1	RECEPTACLE	0.20		0.40		0.20	RECEPTACLE	20	1	40	
41	20	1	RECEPTACLE	0.20			0.60	040	RECEPTACLE	20~	~1~	42	
~43~	~20_	ملم	RECEPTACLE	0.40	0.60		Λ	0.20	RECEPTACLES	20	1	44	
45	20	1	RECEPTACLES	0.40	\mathcal{N}	0.80		0.40	RECEPTACLES	20	1	46	
¥7	20	~ <u>T</u> ~	SPARRE	~0.00~	$\left(\cdot \right)$		0.00	0.00	SPARE	20	$\overline{\gamma}$	48	
49	20	1	SPARE	0.00	0.00			0.00	SPARE	20	1	50	
51	20	1	SPARE	0.00		0.00		0.00	SPARE	20	1	52	
53	20	1	SPARE	0.00			0.00	0.00	SPARE	20	1	54	
55	20	1	SPARE	0.00	0.00			0.00	SPARE	20	1	56	
57	20	1	SPARE	0.00		0.00		0.00	SPARE	20	1	58	
59	20	1	SPARE	0.00			0.00	0.00	-	20	1	60	
TOTAL LOAD PER PHASE:					38.40	38.60	35.10		TOTAL LOAD ON STORY	112.10		ĸw	
								TOTAL LOAD ON PANEL:	311.17		AMPS		



PROJECT TITLE

WELDING LAB RENOVATIONS E.T. GRASSO TECHNICAL HIGH SCHOOL Groton, Connecticut

PROJECT NO

BI-RT-858-A

SKETCH TITLE POWER DETAILS

POWER/DATA REVISIONS

DATE 6/17/2015

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SCALE: NONE

SKETCH NO. AD2-SK-EP2.2-5

Welding Booth

Processes

(Power source controlled) Stick, TIG, MIG, Flux-Cored, Metal-Cored, Submerged Arc

Construction

16 gauge steel

Dimensions

Standard sizes: 5 ft. x 5 ft. or 6 ft. x 6 ft. Height is 7-1/2 ft. Custom sizes available.

Effective Production or Training Space with Integrated Weld Fume Control

The Lincoln Electric Welding Booth is ideal for use in stationary production welding applications, vocational centers, and training facilities. Source extraction weld fume control can be easily integrated into the booth, with an extraction arm and connection to a Central System.

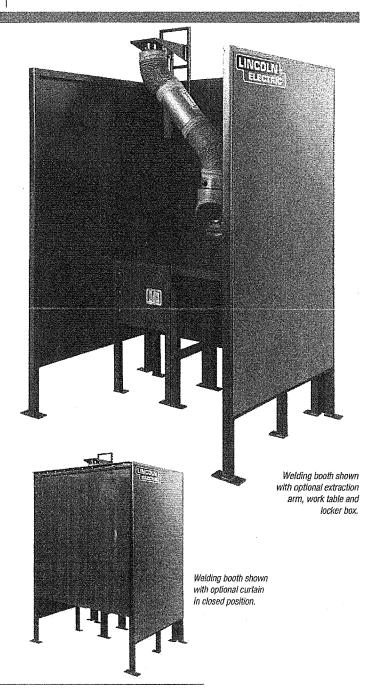
FEATURES

WELDING BOOTH

- Rugged Steel Construction Endures the rigors of production welding operations or training environment.
- > Easy Installation Helps to minimize start-up costs.
- Generously Sized Plenty of room to maneuver within the work or training space. Standard booth sizes of 5 ft. x 5 ft. and 6 ft. x 6 ft. meet AWS guidelines for booth width and depth.
- Optional Work Table with Adjustable Overhead Welding Bracket - Allows operator or student to be as comfortable as possible while welding.
- Optional Welding Curtain Helps to protect other students and workers from arc flash and sparks.
- Optional Locker Box Convenient storage space welding hood, jacket, gloves and other related items.

OPTIONAL EXTRACTION ARM

- ▶ Telescopic Arm with 360° Rotatable Hood Telescopic tube design allows maximum extension
 and compression. Spring-balanced mechanism
 provides easy movement and ensures
 the hood stays where it is positioned. Ideal for pipe
 welding; position the arm at the start of the weld and
 no additional adjustment is necessary. Arm length is
 61 to 98 in. (1550 to 2500 mm).
- Rugged Design Made from durable dent and scratch resistant material.
- Source Capture Solution More effective than back draft designs as a means of controlling weld fume.

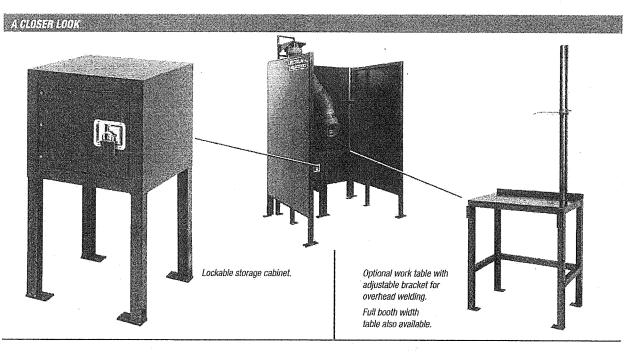


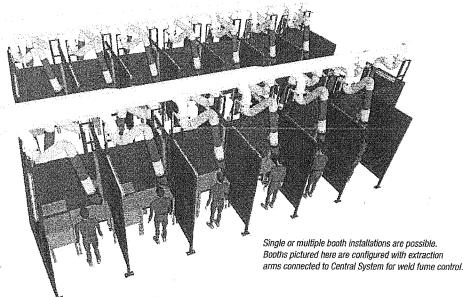
THE LINCOLN ELECTRIC COMPANY

Automation Division

22221 Saint Clair Avenue • Cleveland, Ohio • 44117-2522 • U.S.A. PH; +1.216-383-2667 • Email; Automation@lincolnelectric.com







The operation of welding fume control equipment is affected by various factors including proper use and positioning of the equipment, maintenance of the equipment and the specific welding procedure and application involved. Worker exposure level should be checked upon installation and periodically thereafter to be certain it is within applicable OSHA PEL and ACGIH TLV limits.

CUSTOMER ASSISTANCE POLICY

The business of The Lincoln Electric Company is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have conseming the application. Our employees, however, are not in a position to verify the information provided or bearing frequirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice does not create, expand, or after any warranty on our products. Any express or implied warrantly that might arise from the information or advice, including any implied warrantly of merchanizability or any warrantly of fitness for any customers' particular purpose is specifically discialmed.

Lincoln Electric is a responsive manufacturer, but the selection and use of specific products sold by Lincoln Electric is solely within the centrol of, and remains the sole responsibility of the customer. Menty variables beyond the control of Lincoln Electric affect the results obtained in applying these types of fabrication methods and service requirements.

Subject to Change - This information is accurate to the best of our knowledge at the time of prioting. Please refer to www.lincolnelectric.com for any updated information.

